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William F. Caton  
Acting Secretary  
Federal Communications Commission  
1919 M Street, NW  
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EX PARTE OR LATE FILED

June 28, 1995

RECEIVED

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Re: CC Docket No. 92-297, RM-7872, RM-7722  
Ex Parte Presentation

Dear Mr. Caton:

The undersigned representative of Hughes Communications Galaxy, Inc. met today with Rudolfo M. Baca, Legal Advisor to Commissioner Quello, to discuss band segmentation proposals for the 28 GHz band. The enclosed materials were presented at the meeting.

An original and two copies of this letter are enclosed. Copies of this letter are being provided simultaneously to Mr. Baca.

Respectfully submitted,

John P. Janka

Enclosures

No. of Copies rec'd 021  
List A B C D E

**HUGHES**

**Presentation to the  
Federal Communications Commission**

**28 GHz Solutions**

**Hughes Communications Galaxy, Inc.**

**June 8, 1995**

## **KA BAND IS THE NEXT AVAILABLE LOCATION FOR NEW SATELLITE SERVICES**

- **Access to the Ka band is essential for the delivery of interactive, wideband satellite services**
  - **other bands are congested**
  - **allows use of small (26 inch) dishes**
  - **provides sufficient bandwidth for tomorrow's spectrum intensive applications**
- **Telecommunications providers around the world are eager to utilize Ka band satellites to deploy broadband service**
  - **allows rapid build out of infrastructure**
  - **satellites provide distance insensitive service**
  - **facilitates development of GII**

## **CURRENT DOMESTIC KA BAND PROCEEDING REQUIRES PROMPT RESOLUTION**

- **Hughes is committed to finding a solution to the current domestic impasse at Ka band**
- **Industry proposed domestic band split has broad support**
  - **LMDS (Texas Instruments)**
  - **Computer industry (Hewlett Packard)**
  - **GSO FSS (Hughes)**
  - **non-GSO FSS (Teledesic)**
  - **Spacecraft manufacturers and launch providers (Boeing and Lockheed Martin)**

## **CURRENT DOMESTIC KA BAND PROCEEDING REQUIRES PROMPT RESOLUTION (cont.)**

- **Industry proposed domestic band split serves multiple interests**
  - **provides sufficient spectrum for all pending domestic applications: LMDS, MSS feeder links, non-GSO FSS and GSO FSS**
  - **facilitates development of broadband two-way LMDS service**
  - **implements conclusions of 28 GHz Neg Reg**
    - **non-GSO MSS and LMDS can share**
    - **GSO FSS and LMDS cannot share**
    - **MSS feeder links who will not share with LMDS can be accommodated on a reverse band basis in other bands**

## **CURRENT DOMESTIC KA BAND PROCEEDING REQUIRES PROMPT RESOLUTION**

- **Commission's proposed band split hinges on GSO FSS and non-GSO MSS feeder link sharing**
- **parties recognize that sharing is technically possible if non-GSO system implement certain operational techniques**
- **non-GSO MSS proponents do not believe these sharing techniques are economically feasible**
- **MSS feeder links who cannot share under these terms should be accommodated on a reverse band basis elsewhere**
- **Domestic licensing solution should not limit use of spectrum internationally**

## **CONCLUSION**

**HUGHES**

- **Commission should promptly commence domestic licensing at Ka band**